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PATENT APPLICATION

TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Raiph T. Beest

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mismation unless it displays a valid OMB control number.							
Attorney Docket No.	TUC920030086US1	Total Pages	34				
First Named Inventor or Application Identifier							
Ralph T. Beeston et al.							
Express Mail Label No.	ER21152842	5US					

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	Assistant Commissioner for Patents ADDRESS TO: Box Patent Application Washington, DC 20231			
Fee Transmittal Form (Submit an original, and a duplicate for fee processing)	6. Microfiche Computer Program (Appendix)			
X Specification (Total Pages)23 (Preferred arrangement set forth below)	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)			
- Descriptive title of the Invention - Cross References to Related Application - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 3.	a. Computer Readable Copy b. Paper Copy (identical to computer copy) c. Statement verifying identify of above copies ACCOMPANYING APPLICATION PARTS 8. X Assignment Papers (cover sheet & document(s)) 9. 37 CFR 3.73(b) Statement (if applicable) 10. English Translation Document (if applicable) 11. X Information Disclosure Statement (IDS)/PTO-1449 12. Preliminary Amendment 13. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 14. Small Entity Statement filed in prior application, Statement(s) 15. Certified Copy of Priority Document(s)			
the oath or declaration is supplied under Box 4b is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	if foreign priority is claimed) 16. X Other: Express Mail Certificate			
17. If a CONTINUING APPLICATION, check appropriate box and	d supply the requisite information			
Continuation Divisional Continuation-in-part (CIP) of prior application No.:				
18. CORRESPONDE	NCE ADDRESS			
☐ Customer Number or Bar Code Label36491 ☐ Or Correspondence address below				
NAME Brian C. Kunzler				
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Suite 450				
CITY Salt Lake City STATE	Utah ZIP 84101			
COUNTRY United States TELEPHONE	(904) 004 4040			
Ssignee Name: INTERNATIONAL BUSINESS MACHINES CORPORATION	(601) 994-4646 FAX (801) 531-1929			
ssignee Residence: Armonk, New York rden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will yet				

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		C mplete If Known				
FEE TRANSMITTAL		Application Number	Not yet assigned			
		Filing Date	August 25, 2003			
		First Named Inventor	Ralph T. Beeston et al.			
Note: Effective October 1, 2001. Patent fees are subject to annual revision.		Group Art Unit				
		Examiner Name				
TOTAL AMOUNT OF PAYMENT	\$ 1186	Attorney Docket Number	TUC920030086US1			

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)						
The Commissioner is hereby authorized to charge	3. ADDITIONAL FEES							
indicated fees and credit any over payments to:	Large	Entity	Smal	Entity				
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Deposit Account Name: IBM CORPORATION	1051	130	2051	•	Surch	arge - late filing fee or oa	th	
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Charge Any Additional Charge the Issue Fee Charge Any Additional Charge the Issue Fee In 37 CFR at the Mailing					sheet	,	ig lee of cover	
37 CFR 1.16 and 1.17 of the Notice of Allowance	1053	130	2053	130	Non-E	inglish specification		
Allowance	1812	2520	1812	2520	For fili	ing a request for reexami	nation	
2. Payment Enclosed:	1804	920*	1804	920*	•	esting publication of SIR pliner action	orior to	
☐ Check ☐ Money Order ☐ Other	1805	1840*	1805	1840*	Reque	esting publication of SIR a	after Examiner	
FEE CALCULATION	1251	110	2251	55	Extens	sion for reply within first r	nonth	
1. FILING FEE	1252	410	2252	205	Extens	sion for reply within seco	nd month	
	1253	930	2253	465	Extens	sion for reply within third	month	
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	1401	320	2401	160		of Appeal		
1001 750 2001 375 Utility filing fee 750	1402	320	2402	160	_	a brief in support of an a	opeal	ļ
1002 330 2002 165 Design filing fee	1403	280	2403	140	Request for oral hearing			
1003 520 2003 260 Plant filing fee	1451	1510	1451	1510	Petition to institute a public use proceeding			
1004 750 2004 375 Reissue filing fee	1452	110	2452	55	Petition to revive - intentional			
1005 160 2005 80 Provisional filing fee	1453	1300	2453	650		n to revive - unintentiona	1	
SUBTOTAL (1) \$ 750	1501	1300	2501	650	Utility	issue fee		·
2. CLAIMS Fee	1502	470	2502	235	Design	n issue fee		
from Extra below Fee Paid	1503	630	2503	315	Plant i	ssue fee		
Total Claims 28 -20 = 8 x 18 = 144	1460	130	1460	130	Petitio	ns to the Commissioner		
Ind. Claims 6 -3 = 3 x 84 = 252	1807	50	1807	50	Petitio	ns related to provisional	applications	
Multiple Dep. Claims 0 x 280 = 0	1806	180	1806	180	Submi	ission of Information Disc	losure Stmt	
Large Small Entity	8021	40	8021	40		ding each patent assignm ty (times number of prop	•	40
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1202 18 2202 9 Claims in excess of 20	1810	750	2810	375	For ea	ach additional invention to FR 1.129(b))	be examined	
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01170711 (0)					£ 40			
SUBTOTAL (2) \$ 396 Reduced by Basic Filing Fee SUBTOTAL (3) \$ 40					D 4U			
CUDMITTED BY			~			Campleta	(if applicable	٥)
SUBMITTED BY							(if applicable	C)
Typed or Printed Name Brian C. Kunzler						Reg. Number	38,527	
Signature Bx Kun G1		Date	A	ug 25, 2	003	Deposit Account User ID		

PATENT APPLICATION

Docket No.: TUC920030086US1

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label No.: ER211528425US

Date of Deposit: August 25, 2003

I hereby certify that this patent application in the name of Ralph T. Beeston, Kirby G. Dahman,

Gavin S. Johnson, and Trang T. Le for APPARATUS, SYSTEM, AND METHOD TO ESTIMATE

MEMORY FOR RECOVERING DATA, together with the drawings, a Declaration, Power of

Attorney, and Petition, an Assignment and Recordation Form Cover Sheet, Information Disclosure

Statement, PTO Form 1449, and Copies of Cited References are being deposited with the United

States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the

date indicated above in an envelope addressed to Mail Stop Patent Application, Commissioner for

Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

Reg. No. 38,527

Attorney for Applicant

Date: August 25, 2003

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